



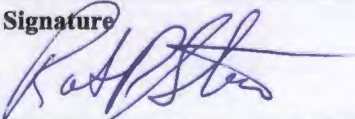
## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

401 M Street, S.W.  
WASHINGTON, D.C. 20460

Form Approved B No. 2070-0060

**Paperwork Reduction Act Notice:** The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instruction and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to Director: OPPE Information Management Division (2137) U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

## DATA MATRIX

Date	April 11, 2013	EPA Reg. No./File Symbol	82012-1	Page 1 of 6	
Applicant's/Registrant's Name & Address:		Copper Development Association, Inc. 260 Madison Avenue New York, New York 10016		Product Antimicrobial Copper Alloys Group I	
Ingredient Copper as elemental (PC Code 22501)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
<b>PRODUCT CHEMISTRY:</b>					
830.1550	Product Identity and Composition	46999601 47259401	Copper Development Association	OWN	
830.1600	Description of Materials Used to Produce the Product	46999601	Copper Development Association	OWN	
830.1620	Description of Production Process	46999601	Copper Development Association	OWN	
830.1650	Description of Formulation Process	46999601	Copper Development Association	OWN	
830.1670	Discussion of Formation of Impurities	46999601	Copper Development Association	OWN	
830.1700	Preliminary Analysis	46999601 47160602	Copper Development Association	OWN	
830.1750	Certification of Limits	48902901	Copper Development Association	OWN	
830.1800	Enforcement Analytical Methods	46999601	Copper Development Association	OWN	
830.1900	Submittal of Sample	46999601	Copper Development Association		Upon Request
830.6302	Color	46999602 47160601	Copper Development Association	OWN	
830.6303	Physical State	46999602 47160601	Copper Development Association	OWN	
Signature 			Name and Title Robert R. Stewart, Ph.D.		Date April 11, 2013



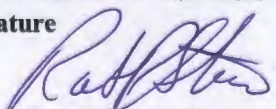


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Date <b>April 11, 2013</b>			EPA Reg. No./File Symbol <b>82012-1</b>	Page 2 of 6	
Applicant's/Registrant's Name & Address: <b>Copper Development Association, Inc. 260 Madison Avenue New York, New York 10016</b>			Product <b>Antimicrobial Copper Alloys Group I</b>		
Ingredient <b>Copper as elemental (PC Code 22501)</b>					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
<b>PRODUCT CHEMISTRY (Cont.):</b>					
830.6304	Odor	46999602 47160601	Copper Development Association	OWN	
830.6314	Oxidizing or Reducing Action	46999602 47160601	Copper Development Association	OWN	
830.6315	Flammability	46999602 47160601	Copper Development Association	OWN	
830.6316	Explosibility	46999602 47160601	Copper Development Association	OWN	
830.6317	Storage Stability	46999602 47160601	Copper Development Association	OWN	
830.6319	Miscibility	46999602 47160601	Copper Development Association	OWN	
830.6320	Corrosion Characteristics	46999602 47160601	Copper Development Association	OWN	
830.6321	Dielectric Breakdown Voltage	46999602 47160601	Copper Development Association	OWN	
830.7000	pH	46999602 47160601	Copper Development Association	OWN	
830.7100	Viscosity	46999602 47160601	Copper Development Association	OWN	
830.7300	Density, Bulk Density or Specific Gravity	46999602 47160601	Copper Development Association	OWN	
Signature 			Name and Title Robert R. Stewart, Ph.D.		Date April 11, 2013





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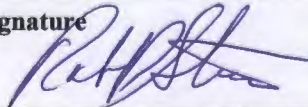
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Applicant's/Registrant's Name & Address: <b>Copper Development Association, Inc. 260 Madison Avenue New York, New York 10016</b>	Product <b>Antimicrobial Copper Alloys Group I</b>	

**Ingredient Copper as elemental (PC Code 22501)**

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
<b>TOXICOLOGY:</b>					
870.1100	Acute Oral Toxicity: Rat	46999603	Copper Development Association	OWN	
870.1200	Acute Dermal Toxicity: Rat	46999603	Copper Development Association	OWN	
870.1300	Acute Inhalation Toxicity: Rat	46999603	Copper Development Association	OWN	
870.2400	Primary Eye Irritation: Rabbit	46999603	Copper Development Association	OWN	
870.2500	Primary Dermal Irritation	46999603	Copper Development Association	OWN	
870.2600	Dermal Sensitization	46999603	Copper Development Association	OWN	
870.3100	90-Day Oral Toxicity	46999603	Copper Development Association	OWN	
870.3150	90-Day Oral Toxicity – Nonrodent	46999603	Copper Development Association	OWN	
870.3250	90-Day Dermal Toxicity	46999603	Copper Development Association	OWN	
870.3700	Teratology – Rats	46999603	Copper Development Association	OWN	
870.3700	Teratology – Rabbits	46999603	Copper Development Association	OWN	

Signature 	Name and Title <b>Robert R. Stewart, Ph.D.</b>	Date <b>April 11, 2013</b>
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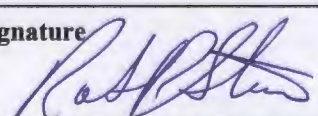
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Ingredient <b>Copper as elemental (PC Code 22501)</b>					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
<b>TOXICOLOGY (Cont.):</b>					
870.3800	Reproduction and Fertility Effects	46999603	Copper Development Association	OWN	
870.4100	Chronic Oral/Feeding Study	46999603	Copper Development Association	OWN	
870.5100	Bacterial Reverse Mutation (Ames) Test	46999603	Copper Development Association	OWN	
870 Genotoxicity Series	Other Mutagenicity	46999603	Copper Development Association	OWN	
870.7485	Metabolism and Pharmacokinetics - Rat	46999603	Copper Development Association	OWN	
Signature 			Name and Title Robert R. Stewart, Ph.D.		Date April 11, 2013



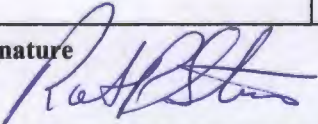


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Applicant's/Registrant's Name & Address: <b>Copper Development Association, Inc. 260 Madison Avenue New York, New York 10016</b>		Product <b>Antimicrobial Copper Alloys Group I</b>			
Ingredient <b>Copper as elemental (PC Code 22501)</b>					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
<b>EFFICACY:</b>					
810.2300	Hard Surface Sanitizer Assay: <i>S. aureus</i> (ATCC 6538); <i>E. aerogenes</i> (ATCC 13048)	46999604 46999612 46999617	Copper Development Association	OWN	
810.2300	Hard Surface Sanitizer Assay: <i>MRS. aureus</i> (ATCC 33592); <i>E. coli</i> (ATCC 35150); <i>P. aeruginosa</i> (ATCC 15442)	46999607 46999614 47184601	Copper Development Association	OWN	
810.2300	Hard Surface Sanitizer Assay: <i>VRE. Faecalis</i> (ATCC 51575)	47859301 47859302	Copper Development Association	OWN	
810.2300	Residual Self-Sanitizer Assay: <i>S. aureus</i> (ATCC 6538); <i>E. aerogenes</i> (ATCC 13048)	46999604 46999605 46999613	Copper Development Association	OWN	
810.2300	Residual Self-Sanitizer Assay: <i>MRS. aureus</i> (ATCC 33592); <i>E. coli</i> (ATCC 35150); <i>P. aeruginosa</i> (ATCC 15442)	46999608 46999615	Copper Development Association	OWN	
810.2300	Residual Self-Surface Sanitizer Assay: <i>VRE. Faecalis</i> (ATCC 51575)	47859303 47859304	Copper Development Association	OWN	
Signature 			Name and Title <b>Robert R. Stewart, Ph.D.</b>		Date <b>April 11, 2013</b>





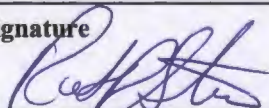
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Copper Development Association, Inc. 260 Madison Avenue New York, New York 10016		Antimicrobial Copper Alloys Group I			
Ingredient Copper as elemental (PC Code 22501)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
<b>EFFICACY (Cont.):</b>					
810.2300	Repeat Challenge Assay: <i>S. aureus</i> (ATCC 6538); <i>E. aerogenes</i> (ATCC 13048)	46999606 46999610	Copper Development Association	OWN	
810.2300	Repeat Challenge Assay: <i>MRS. aureus</i> (ATCC 33592); <i>E. coli</i> (ATCC 35150); <i>P. aeruginosa</i> (ATCC 15442)	46999609 46999611 46999616	Copper Development Association	OWN	
810.2300	Repeat Challenge Assay: <i>VRE. Faecalis</i> (ATCC 51575)	47859305 47859306	Copper Development Association	OWN	
810.2300	Bioburden Reduction and Hospital Acquired Infection Reduction in Clinical Settings	This Submission	Copper Development Association	OWN	
Signature 			Name and Title Robert R. Stewart, Ph.D.		Date April 11, 2013